Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/06/2020 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123564	-2	2.48	123679	2.55
Blue	F	SSC	125000	124109	-1	1.81	124942	1.85
Blue	E	FITC	15892	15418	-3	2.81	336	20.81
Blue	D	PE	29999	29388	-3	2.00	641	14.66
Blue	B	PerCP-Cy5-5	43732	43674	-1	3.71	1171	20.51
Blue	A	PE-Cy7	30845	30973	0	6.05	591	41.78
Red	C	APC	46112	45584	-2	2.48	1613	12.19
Red	A	APC-Cy7	30458	29806	-3	2.41	789	12.13
Violet	B	V450	7918	7623	-4	4.27	426	12.97
Violet	A	V500	32171	30921	-4	4.05	720	10.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17158	13.65	621	0	N/A	N/A	Pass
Blue	F	SSC	56469	1.33	561	2	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0189	174	Pass
Blue	D	PE	134	50.51	549	1	0.1735	307	Pass
Blue	B	PerCP-Cy5-5	216	49.42	659	3	0.0089	35	Pass
Blue	A	PE-Cy7	109	104.18	702	4	0.0104	16	Pass
Red	C	APC	384	25.32	587	3	0.0240	139	Pass
Red	A	APC-Cy7	174	29.45	559	3	0.0055	1145	Pass
Violet	B	V450	65	59.30	460	2	0.0555	2197	Pass
Violet	A	V500	108	34.32	476	2	0.0228	857	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.26	-31.86	1.01
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	15.98	13.60 - 20.40	N/A	N/A	29.48	29.88	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10095

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments